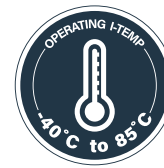
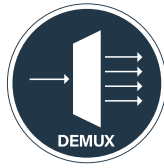
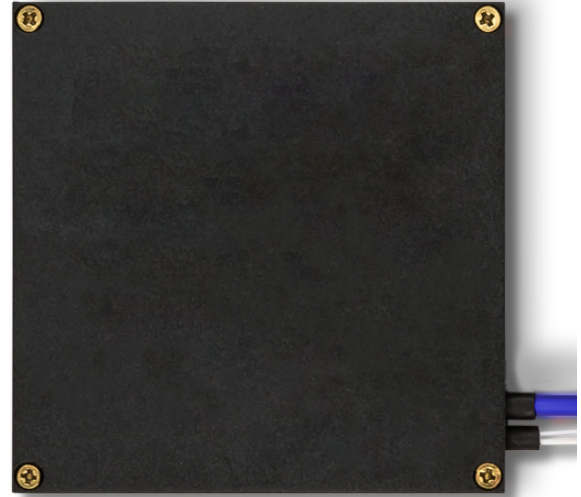


### Features:

- 8 + 1 Channel DWDM Single Fiber Demux OSP with OTDR and Express
- Channel Wavelengths - DWDM: Ch. xx - Ch. xx+7
- Channel Spacing: 100 GHz
- Maximum Optical Power: 300 mW
- Connector Type - MON Ports Only: LC/UPC
- Operating Temperature -40°C to 85°C
- Storage Temperature -40°C to 85°C
- Form Factor Size: 70mm x 70mm x 8mm
- Fiber Size: 900 μm (MON only), Colored Bare Fibers
- RoHS compliant



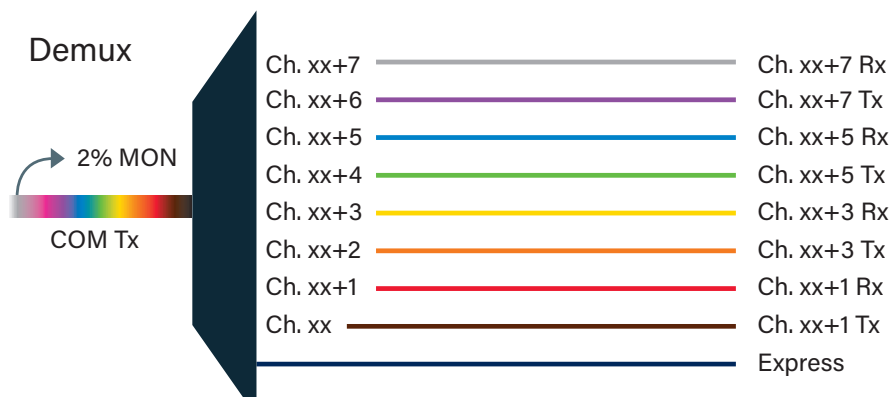
### 1. Optical Requirements

| Parameter  | Value   |
|--|---|
| Passband, DWDM Channel Ports @-0.5dB (Min.)          | ITU ≥ 25GHz                                       |
| Passband, DWDM Channel Ports @-3dB (Min.)            | ITU ≥ 72.5GHz                                     |
| Passband, OTDR Port                                  | Tx 1600 - 1670nm<br>Rx 1260 - 1580nm              |
| Passband, Express Port (Min.)                        | 1260nm - 1580nm<br>(excludes Ch. xx-1 - Ch. xx+8) |
| Passband Ripple (Max.)                               | ≤ 0.5dB   |
| Isolation, Adjacent Channel - DWDM (Min.)            | ≥ 30dB  |
| Isolation, Non-Adjacent Channel - DWDM (Min.)        | ≥ 40dB  |
| Isolation, OTDR Port - DWDM                          | 30dB  |
| Isolation, Express Channel (Min.)                    | ≥ 12dB  |
| Return Loss - All Ports (Min., Including Connectors) | ≥ 45dB  |
| Directivity - DWDM Ports (Min.)                      | ≥ 50dB  |
| Polarization Dependent Loss (Max.)                   | ≤ 0.2dB   |
| Polarization Mode Dispersion (Max.)                  | ≤ 0.2ps   |

### 2. Insertion Loss

| Parameter   | Value                  |
|---|------------------------|
| Insertion Loss, DWDM (Typ., Incl. Connectors)         | 3.7dB                  |
| Insertion Loss, DWDM (Max., Incl. Connectors) COM     | ≤ 3.9dB                |
| Insertion Loss, OTDR Port (Typ., Incl. Connectors)    | 0.8dB                  |
| Insertion Loss, OTDR Port (Max., Incl. Connectors)    | ≤ 1.0dB                |
| Insertion Loss, Express Port (Typ., Incl. Connectors) | 1.1dB                  |
| Insertion Loss, Express Port (Max., Incl. Connectors) | ≤ 1.3dB                |
| Insertion Loss (Incl. Connectors) 2% MON              | Tx: 19.0dB, Rx: 22.9dB |

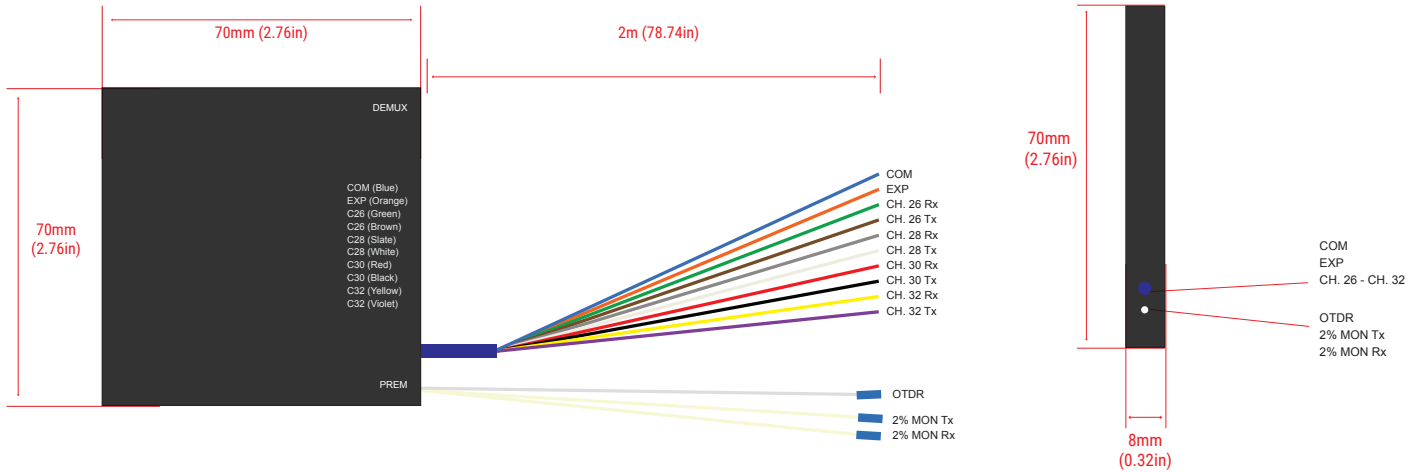
### 3. Networking Diagram



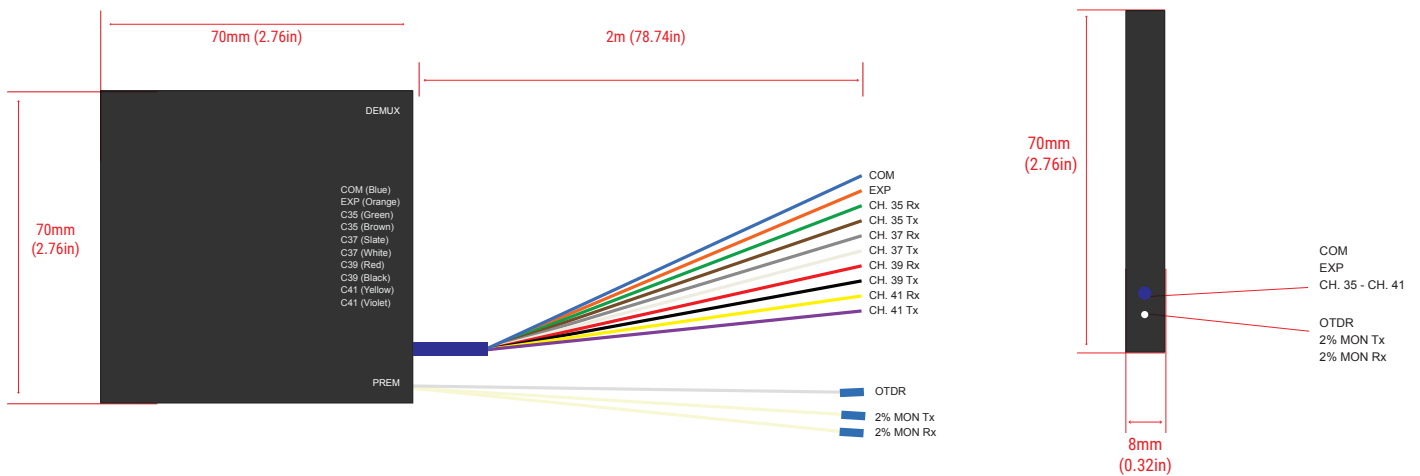
| Channel  | Typical | Maximum |
|----------|---------|---------|
| Ch. xx+7 | 2.1     | 2.3     |
| Ch. xx+6 | 2.4     | 2.6     |
| Ch. xx+5 | 2.7     | 2.9     |
| Ch. xx+4 | 2.9     | 3.1     |
| Ch. xx+3 | 3.1     | 3.3     |
| Ch. xx+2 | 3.3     | 3.5     |
| Ch. xx+1 | 3.5     | 3.7     |
| Ch. xx   | 3.7     | 3.9     |
| EXP      | 1.1     | 1.3     |

### 4. MeChanical Diagram

#### ZS-DW1-DDO118C0-8125-NT-2-S

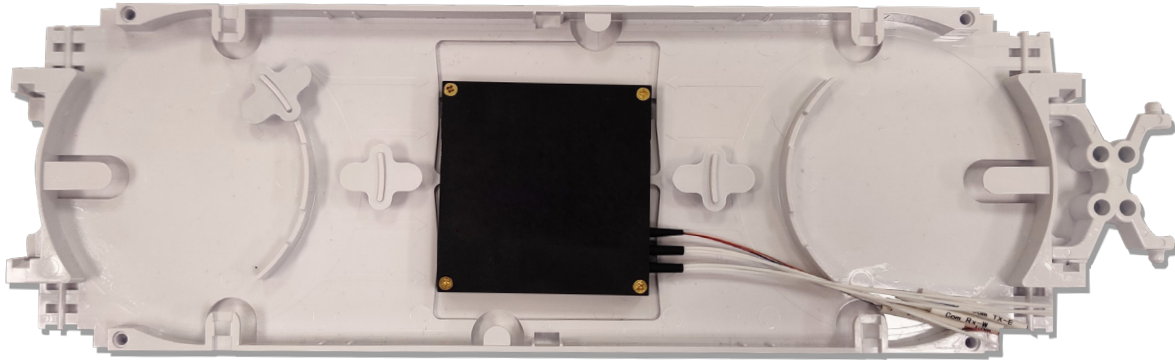


#### ZS-DW1-DDO118C0-8134-NT-2-S



### 5. Tray Integration Options

Module in Tyco "B" Tray



### 6. Ordering Information

| Root SKU        | Part Number                 | Description   |
|-----------------|-----------------------------|---|
| D5T08NA250A9170 | ZS-DW1-DDO118C0-8125-NT-2-S | DWDM, Single Module, Single Fiber DEMUX, 100GHz Spacing, 8 Ch. /4 Svc, Express Port, No Connectors Except 900um LC MON and OTDR, 8 Skip 1 Channel 25 Start, Module Only, 2m Fibers 70mm x 70mm x 8mm, Submersible |
| D5T08NA340A9170 | ZS-DW1-DDO118C0-8134-NT-2-S | DWDM, Single Module, Single Fiber DEMUX, 100GHz Spacing, 8 Ch. /4 Svc, Express Port, No Connectors Except 900um LC MON and OTDR, 8 Skip 1 Channel 34 Start, Module Only, 2m Fibers 70mm x 70mm x 8mm, Submersible |

### 7. Contact Information

Tel: 800.590.9535

Web: <http://www.approvednetworks.com>